# DB2016

## ARITECH 2000 Series base with isolator

### General

The DB2016 isolator base senses and isolates overload and short circuit faults on a 2000 series fire detector loop. A yellow LED on the device indicates an isolation condition. The detector connected to the DB2016 still receives power in the event of a single short circuit. If every detector in the loop is fitted with an isolator base, no devices are lost in the event of a single short circuit.

### Functionality and use

The function of the DB2016 is to protect the integrity of the addressable loop in the case of an overload or short-circuit on part of the loop. In such event, the entire data circuit is not lost but only the effected part of the loop is isolated.

For full protection it is recommended that every detector be fitted with a DB2016 isolator base. For regulatory purposes it is specified that not more than a single detection zone is affected by a single fault on the loop, containing no more than 32 devices.

The DB2016 is only suitable for use in dry areas.




### Details

- Protection against overload conditions
- Automatic restore when fault is corrected
- LED indicates isolation condition
- Detector connected to isolator remains operational

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## Technical specifications

### General

| | |
|---|---|
| Status indication | Yellow LED |
| Compatibility | Aritech 2000 series point detectors |
| Connectivity | 2-wire loop, earth & remote indicator |
| Addressing method | Não é necessário endereçamento |

### Electrical

| | |
|---|---|
| Power supply type | Alimentado por loop |
| Operating voltage | 17 to 34 V (28 V nominal) |
| Current consumption | 30 µA (standby)<br><1.6 mA (isolated) |
| No. of cable cores | 2 |
| Terminals | 5 |

### Detection

| | |
|---|---|
| Monitoring | Short circuit |

### Isolation

| | |
|---|---|
| Type | Interrupção linha negativa |
| Isolation voltage | 14 V |
| Reconnect voltage | 14.5 V |
| Switch current | 800 mA (max) |
| Series resistance | 0.1 Ω |

### Physical

| | |
|---|---|
| Physical dimensions | 101 x 13.5 mm (Ø x H) |
| Net weight | 49 g |
| Colour | Branco nuvem (RAL 9001) |
| Mounting type | Loftmontering |
| Cable entries | 1 |
| Material (body) | Plastic |

### Environmental

| | |
|---|---|
| Vandal proof | No |
| Operating temperature | -10 to +50°C |
| Storage temperature | −10 to +70ºC |
| Relative humidity | 10 to 95% noncondensing |
| Environment | Indendør |
| IP rating | IP30 |

### Regulatory

| | |
|---|---|
| Compliancy | CE, REACH, RoHS 2, WEEE |
| Certification | CPR |
| Standards | EN54-17 |

### Compatible products

| Category | Reference | Description |
|---|---|---|
| Detection device | DB2002 | ARITECH 2000 Series standard point detector base |
| Detection device | DP2061N | ARITECH 2000 Series addressable optical smoke detector |
| Detection device | DP2061T | ARITECH 2000 Series addressable multisensor fire detector |
| Detection device | DT2063N | ARITECH 2000 Series addressable heat detector |
| Notification device | AS2368CAP-W | Aritech 2000 Series locking cap for 2000 series bases |

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